

ELECTROLYTIC METHOD OF PRODUCING TANTALUM, BY
YU. I. OSTROUSHKO, G. A. MEYERSON, ET AL,
13 PP.

RUSSIAN, PER, TSVETNYYE METALLY, NO 12, 1958,
PP 38-44.

JPRS 17729

SCI - CHEM

MAR 63

223,944

Ultrasonic Flaw Detection of Extrusion Defects
When Extruding Bars for Tubes, by N. I. Brazhnikov,
I. A. Kozm. UNCL

RUSSIAN, per, Tsvetnye Met, No 12, 1958, pp 67-69.

DSIR LLU (loan) N.495

Sol - M1a/Mat
Sep 59

95, 875

Cold Rolling of Shaped Tubes, by Yu. F.
Shevakin, A. M. Rytikov. UNCL

RUSSIAN, per, Tsvetnye Metal, No 12,
1958, pp 70-77.

DSIR LIU (loan) M.496

Sci - Man/Mat
Sep 59

PS CNT-2071

95, 865

R-900 HF

(DC-2773)

Improving the Quality of Lead Concentrates in
the Kizil-Armayskiy Concentration Plant, by
G. Ye. Scholova, 8 pp.

RUSSTAN, par, Tsvetnye Metally, No 1,
Moscow, Jan 1959, pp 21-27.

JPRS 1-1674-D

USSR

Econ

Sci - Minerals/Metals

May 59

87, 677

The Flotation of Fine Slimes by Air Precipitated
From Solutions, by V.I. Klaassen.

RUSSIAN, per, Tsvetnye Metally, No 1, 1959,
pp. 27-32.

Primary Sources
CR-2828

Sci - Min/Met
Jul 61

157 472

Yttrium and Its Alloys, by Ye. M. Savitskiy, V. F.
Terekhova, 22 pp.

RUSSIAN, per, Tsvetnyye Metally, No 1, 1959, pp 78-52.

CIA/FOD X-3791

Sci - Min/met
Nov 59

REC-216
12 OCT 1959

100,230

Development of a Scheme for the Automatic Control
of a Magnesium-Thermic Process for the Reduction
of Titanium, by A. G. Arkad'yev, et al.

RUSSIAN, per, Tsvetnye Metally, No 1, 1959,
pp 53-62.

DSIR LLM M.1213
(1000)

Sci - Min/Mat

Aug 60

15 OCT 1960

123,540

An Investigation of the Properties of Copper
Titanium Alloys, by K.P. Kalinin.

RUSSIAN, per, Tsvetnye Metally, No 1, 1959,
pp 82-88.

Primary Sources
CR-2698

Sci - Min/Met
Jul 61

159,474

The Extraction of Dust From Waelz Gases in
Unpacked Scrubbers, by N. V. Yur'yev.

RUSSIAN, per, Tsvetnyye Metally, No 1, 1959,
pp 92, 93.

DSIR LIU RTS 1502

Sci - Chem

Sep 60

125,551

Vertical Stripping of Copper-Base Sheets,
by O.V. Denskoye.

RUSSIAN, per, Tsvetnye Metally, No 1, 1959, pp94-96

Primary Sources
CR-2695

Sci - Min/Met
Jul 61

159, 473

H-900 RF

(DC-2773)

Results of Work on the Theory of, and Introduction
Into Practice of Improvements in the Field of the
Technology of Concentrating Ore, by I. N. Plaksin,
2 pp.

RUSSIAN, 1st, Izvestiya Metallurg, No 2, Moscow, 1959,
pp 3, 9.

JPRS L-1674-D

USSR
Econ
Sci - Minerals/Metals
May 59

87, 651

10-0000 17

(DC-2773)2

Metallurgy of Heavy Nonferrous Metals and
the Path of Their Development, by P. K.
Lashin, A. A. Tsydler, 10 pp.

RECEIVED, per, Tsvetnyye Metally, No 2, Moscow,
1959, pp 17-23.

JPRS L-1574-D

UNSER

Recon

Ser - Minerals/Metals

May 59

87,653

B-900 EF

(DC-2773)

Several Reserves of Complex Utilization of Raw
Material in Nonferrous Metallurgy, by V. A.
Karchevskiy, 7 pp.

RUSSIAN, per, Zavetnye Metally, No 2, Moscow,
1959, pp 24-27.

JPRS L-1674-D

USIA

Econ

Sci - Minerals/Metals

May 59

87,652

Continuous Conversion of Matte, by D. A.
Dionisovskiy, et al. UNCL

RUSSIAN, per, Tsvetnyye Metally, No 2, 1959,
pp 27-34.

DSIR 110 N.1214

(loan)

Bcl - Min/Mat
May 60

116,587

Autoclave Hydrometallurgy in the Separation of
Copper-Nickel Ores, by S. I. Sobol.

RUSSIAN, per, Tsvetnye Metally, Vol XXXII, No 2,
1959, pp 34-40.

BSIR LRU M.1248
(loan)

Sci - Min/Mag

122,536

Aug 60

On the Hydrometallurgical Treatment of Copper-
Nickel Matrices, by V. P. Govorov.

RUSSIAN, paper, Doklady Akad. Nauk, No 2, 1959,
pp 41-46.

ENR LIT M-1215
(loan)

Sci - Min/Met

Aug 50

PS 247 2547

122,541

Elimination of Copper From the Circuit in the
Production of Cobalt Oxide, by A. F. Plekhanov,
et al.

RUSSIAN, per, Tsvetnye Metally, No 2, 1959,
pp 49-52.

Dept of Interior
TNT, EST, No 236

Sci - Mil/Met

Mar 60

111, 917

Certain Important Fields of Utilizing Compounds of
Rare Earth Elements, by G.V. Sansonov.

RUSSIAN, per, Tsvetnye Metally, No 2, 1959, pp 58-59.
9661861.

ATDC INCL 139/1

Sci - DMn/dist
Jm 61

155506

Obtainment of Niobium-Tantalum Alloys by the
Carburizing (Carbide) Method, by O.P. Kolchin,
N.P. Chuvalova.

RUSSIAN, per, Tsvetnye Metally, No 2, 1959, pp 60-64.
9661861.

ATTC MCL 139/1

Sci - Min. Met
Jun 61

155,507

(NY-3001/1).

Certain Problems in Developing the Copper
Smelting Industry of Central Kazakhstan, by
V. I. Kubarov, 8 pp.

RUSSIAN, per, Tsvetnyye Metally, No 3, 1959,
pp 1-4.

JPMS-1961-7

USSR
Econ - Tech; Nonferrous Metals
Nov 59

99,740

Iolko, M. V.

THE INFLUENCE OF SOME FACTORS ON THE
PERFORMANCE OF CONVERTERS FOR BESSEMER-
IZING COPPER- AND COPPER-NICKEL MATTES.

June 60 [7]p. [DSIR LLU] M 3154.

Order from OTS or SLA \$1.10

61-27514

Trans. of Tsvetnye Metally (USSR) 1959, v. 32, no. 3,
p. 19-22.

DESCRIPTORS: Blast furnaces. *Smelting. Ores,
Copper. Copper compounds. Nickel alloys. Oxygen.
Minerals. Steel. Cast iron.

An analysis is made of the principal factors affecting
the efficiency and economics of the conversion process.
The use of oxygen-enriched blast in converters is the
most useful method of intensifying the bessemerization
process.
(Metallurgy. TT. v. 7, no. 1)

61-27514

- I. Title: Bessemer process
- I. Iolko, M. V.
- II. DSIR LLU M. 3154
- III. International Nickel Co.
(Mond) Ltd. (Gt. Brit.)

Office of Technical Services

(NY-3001/1).

Converting High-Lead Mitten at the Ust'-
Kamenogorsk Lead Plant, by N. A. Abdayev, O. G.
Miller, E. N. Kubyshev, A. T. Matveyev, 4 pp.

RUSSIAN, per, Tsvetnyye Metally, No 3, 1959,
pp 23-25.

JPRS-1961-E

USSR
Econ - Tech; Nonferrous Metals
Nov 59

99, 741

(No-3001/1).

Experience in Starting and Operating an Industrial
Installation for Zone Melting of Tin, by A. Yu.
Raynskov, I. M. Selivanov, 8 pp.

RUSSIAN, par, Sovetskoye Metallurg, No 3, 1959,
pp 32-37.

JPRS-1961-N

USSR

Econ - Tech; Nonferrous Metals

Nov 59

99, 742

(HX-3001/1).

Conference on Roasting in a Fluidized Bed, by Yu.
Ya. Ol'skiy, 5 pp.

RUSSIAN, per, Sovetskoye Metallurgiya, No 3, 1959,
pp 79-80.

JPRS-1961-M

USER

Econ - Tech; Nonferrous Metals
Nov 59

99, 743

(NY-3001/1).

The Contribution of Specialized Institutes of
the Ural Region to the Development of Nonferrous
Metallurgy, by V. A. Ustalov, 7 pp.

RUSSIAN, per, Tsvetnyye Metally, No 4, 1959,
pp 1-4.

JPRS-1961-E

USSR

Econ - Tech; Nonferrous Metals

Nov 59

99,744

Is it Necessary to Hav a Gas Exhaust at the Anode
Top of an Aluminum Electrolyzer?, by ~~author's name~~
I. P. GUPALO

RUSSIAN, per, Tsvetnye Metally, No 4, 1959, pp 3-7.

Primary Sources
CR-2827

Sci .. Electricity
Jul 61

159 475

(NY-3001/1).

Retreatment of Copper-Lead Ores of the Dzhezkasgan. Deposit According to the System of Collective Flotation With Subsequent Pyro-Selective Concentration in a Converter, by A. T. Drobchenko, V. D. Bulstov, A. A. Baipadishan, L. M. Kabanov, 11 pp.

RUSSIAN, per, Tsvetnyye Metally, No 4, 1959, pp 10-15.

USIA

JPRS-1961-H

Recon - Tech; Nonferrous Metals

Nov 59

99,745

(NY-3001/1).

Organizing the Production of Anodes From Molten
Blister Copper at Copper-Smelting Plants of the
Stavropol'sk Economic Region, by V. A. Aglitskiy,
D. A. Kronsberg, 8 pp.

RUSSIAN, per, Tsvetnyye Metally, No 4, 1959,
pp 25-29.

JPRS-1961-M

USSR

Econ - Tech; Nonferrous Metals

Nov 59

109,927

(NY-3001/1).

Certain Properties of Modern Converter Operations and
Efficient Technology in Copper-Smelting Plants of the
Ural Region During the Seven-Year Plan, by L. H.
Gazaryan, 15 pp.

RUSSIAN, per, Sovetskoye Metallo, No 4, 1959,
pp 34-42.

JPRS-1961-N

USSR
Econ - Tech; Nonferrous Metals
Nov 59

100,928

Methods of Measuring Aluminum Electrolyzer
Parameters, by A.G. Arkad'yev.

RUSSIAN, per, Tsvetnye Metallurgiya, No 11, 1959,
pp 49-56

Primary Sources
CR-2745

Sci - Phys
Jul 61

157, 476

Homogenization of Duralumin Ingots in Modern
Electric Furnaces With Air Circulation, by
A. I. Kolpashnikov, V. D. Korolev.

RUSSIAN, per: Tsvetnye Metally, No 4, 1959,
pp 64-69.

DSIR MIA H.1261
(loan)

Sci - Min/Met
Aug 60

ATIC MCL-271/III

MT-56

122,543

The Sixth Plenary Session of the Central Board of the
Nonferrous Metallurgy Scientific-Technical Society,
XX by Yu. Ya. Olakly, 4 pp.

RUSSIAN, per, *Tsvetnyye Metally*, No 4, 1959, pp 90-93.

ATIC MEL-271/III

Sci - Min/Met

135,628

USSR - Econ

Dec 60

(NY-3001/3).

Determining the Production Costs of Complex Raw
Material in Zinc Plants, by I. M. Gratsershteyn,
L. A. Nezhinskaya, 12 pp.

RUSSIAN, per, Tsvetnyye Metally, No 5, 1959, pp 10-15.

JPRS-2062-N

USSR
Econ
Dec 59

104, 319

(NY-3001/3).

Concentrating Aluminum Ores, by A. V. Penin, 4 pp.

RUSSIAN, per, Tsvetnyye Metally, No 5, 1959, pp 22-24.

JPRS-2062-N

USSR
Econ
Dec 59

104,320

(NY-3001/3).

How Further to Improve and Intensify the
Electrorefining of Copper, by A. I. Levin,
V. L. Vlasov, 12 pp.

RUSSIAN, per, Tsvetnyye Metally, No 5, 1959,
pp 32-37.

JPRS-2052-N

USSR
Econ
Dec 59

104,321

Introduction of Electrothermal Processes at the
Ust'-Kamenogorsk Lead-Zinc Combine, by
D. O. Kharachukov.

RUSSIAN, per, Tsvetnye Metally, Vol XXXIX, No 5,
1959, pp 35-38.

NIL RTS 2126

230,662

Sci - Electron
May 63

An Experimental Study of the Process of the
Oxidation of Sulfides by a Thermogravimetric
Method, by A.I. Okunev.

RUSSIAN, per, Izvestiya / Metally, No 5, 1959
pp 38-45.

Primary Sources
CR-2821

Sci. - Chem
Jul. 61

157, 478

Experimental Use of Oxygen in Lead Smelting Shaft
Furnaces, by A.M. Vartanyan.

RUSSIAN, per Tsvetnye Metally, No 5, 1959,
pp 46-49.

Primary Sources
CR-2699

Sci - Min.Met
Jul 51

159, 477

Testing Filter-Thickness For the Filtration of
Neutral Pulps From Zinc Cinder Leaching, by
A.F. Snurnikov.

RUSSIAN, per, Tsvetnye Metally, No 5, 1959, pp 55-8.

Primary Sources
CR-2825

Sci. - Min/Met
Jul 61

159 479

USE OF A REMEDIALATIVE Sulfur RECOVERY WITH Sulfur
Shift Furnace Smelting of Oxidized Nickel Ores,
by N.F. Uspenskiy.

RUSSIAN, per, Tsvetnye Metally, No 5, 1959,
pp 63-67.

Primary Sources
SMT-2353

Sci - Min/Met, Chem
Jul 61

159,480

Increased Labor Output in Aluminum Production,
by A.E. Manin.

RUSSIAN, per Tsvetnye Metally, no 5, 1959, pp 67-72.

Primary Sources
CR-2823

Scl - Min/Met
Jul 61

159,482

traction of Rhenium From Industrial Solutions Using
Activated Coals, by Ye. I. Gulyayeva, et al.

SIAN, per, Tsvetnyye Metally, No 5, 1959, pp 73-77.

DSIR LNU M.1263
(loan)

1 - Min/Met

t 60

128,735

LOW-TEMPERATURE SINTERING OF MOLYBDENUM, BY
A. V. SAVIN, YU. A. EYDUK, 9 PP.

RUSSIAN, PER, TSVETNYYE METALLY, NO 5, 1959,
PP 81-84.

JPRS 17955

SCI - M/M

MAR 63

224,376

(NY-3001/2).

Dust From Lead Production as One of the Sources of
Obtaining Dispersed Elements, by M. A. Vinogradova,
6 pp.

RUSSIAN, per, Tsvetnyye Metally, No 6, 1959, pp 39-41/

JPRS-1977-N

USSR
Econ - Tech - Nonferrous Metals
Dec 59

104,406

The Rolling of Aluminum Alloy Tubes as
Practiced in Tube Rolling Plants, by I. A.
Tomsharov, et al. URCL

RUSSIAN, for, Tsvetnye Metal, No 6, 1959,
pp 75-79.

DSIR LJO M.1264

PC 600 1264

(loan)

Edl - MIA/INT; ENGR
Mar 60

111,124

S-5355

(NY-2880).

Certain Problems in the Production of Titanium
by Electrolysis of Molten Media Using Soluble
Anodes, by A. B. Suchkov, B. A. Borok, T. N.
Yermakova, M. I. Rodnyy, L. D. Boldina, 14 pp.

RUSSIAN, per, Tsvetnye Metally, No 6, 1959, pp 57-62.

JPRS-L-1007-N

Sci - Min/Met
Oct 59

98,948

Dust Collection in Pilot and Industrial Electric
Furnaces With Hermetically Sealed Charging
Devices, by P.I. Voskresenski.

RUSSIAN, per Tsvotnye Metally, No 7, 1959, pp 23-30.

Primary Sources
SMT-2247

Scl - Engr
Jul 61

159, 481

Shaft Furnace Smelting of Agglomerate From
Oxidized Nickel Ores Using a Preheated Blast,
by I.D. Reznik.

RUSSIAN, per, Tsvetnye Metally, No 7, 1959, pp 30-36.

Primary Sources
SMP-2459

Sci - Min/Met
Jul 61

157 483

S-5394

(DC-3030).

First Conference of the Scientific-Technical
Society of Nonferrous Metallurgy, by T. Osipova,
A. Troitskiy, 9 pp.

RUSSIAN, par, Tsvetnyye Metally, No 7, 1959,
pp 81-84.

JPRS-L-1089-D

Sci - Min/Met
Oct 59

98,579

Moekalenko, G. L.
THE USE OF ORGANIC SOLVENTS IN THE
METALLURGY OF NICKEL AND COBALT. May 60
[10]p. (4 figs. 1 table omitted) 6 refs. [DSIR LLU]
M 3157.

Order from OTS or SLA \$1.10

61-27511

Trans. of Tsvetnye Metally (USSR) 1959, v. 32, no. 7,
p. 40-46.

Portions of this report will not reproduce well.

DESCRIPTORS: *Organic solvents, Metallurgy,
*Nickel, *Cobalt, Separation, Iron, Copper, Salts,
Hydrochloric acid, Ethers.

The marked difference in the behaviour of nickel and
cobalt (as well as iron and copper) salts in some
organic solvents may be employed for the separation
(Metallurgy, TT v. 7, no. 1) (over)

61-27511

I. Moekalenko, G. L.
II. DSIR LLU M. 3157
III. International Nickel Co.
(Mond) Ltd. (Gt. Brit.).

Office of Technical Services

S-5395

(EC-3030).

Conference on Autoclave Process, by E. N. S.,
8 pp.

RUSSIAN, per, Tsvetnyye Metally, No 7, 1959,
pp 84-87.

JPRS-^L✓-1890-D

Sci - Min/Met
Oct 59

98,578

The Introduction of Oxygen-Enriched Blasts in
Shaft Furnace Lead Smelting at the Ust'-
Kamenogorsk Lead-Zinc Combine, by A.M. Vartanyan

RUSSIAN, per, Tsvetnye Metally, no 8, 1959,
pp 18-24.

Primary Sources
CR-2877

Sol. - Min/Met
Jul. 61

159,484

(NY-3001/6).

Regarding K. M. Gazaryan's Article 'Certain Characteristics of Modern Conversion and Efficient Technology in Copper-Smelting Plants of the Urals During the Seven-Year Plan, & by A. A. Tsypkin, Tsypkin, 6 pp.

RUSSIAN, per, Tsvetnyye Metally, No 8, 1959,
pp 24-27.

JPRS-2370

113,984

USSR

Econ - Technological

Apr 60

Investigation of Current Distribution in an
Electrolyzer Model, by M. P. Dogramadshi, 10 pp.

RUSSIAN, par. *Davetnye Metally*, New Vol XXXII,
No 8, 1959, pp 44-50.

AEC tr-3936

Sci - Electron
Apr 60

112,979

Smirnov, M. N. and Y. Z. Vydrevich

Improvement of the Hydrochemical Alkaline Method for
Extracting Alumina From Nephelite

RUSSIAN, per, Tsvetnyye Metally Moskva, No. 8, 1959,
pp. 39-44.

*PL 480

OTS 60-~~XXXX~~

51138

Dec 61

S-5442

(NY-3045).

Some Questions Concerning the Production of
Titanium by Means of Molten Media Electrolysis
Using Soluble Anodes, by A. B. Suchkov, B. A.
Borok, M. I. Rodnyy, T. N. Yermakova, Z. I.
Morozova, L. D. Boldina, 8 pp.

RUSSIAN, per, Tsvetnyye Metally, No 8, 1959,
pp 50-54.

JPRS-L-1104-N

Sci - Min/Mat
Jan 60

PC 103,771

R-900

(NY-3253).

Removal of Arsenic From Secondary Dust in the
Novosibirsk Tin Plant, by V. S. Lovchikov, B. N.
Lipshits, A. P. Sorokina, 5 pp.

RUSSIAN, per, Tsvetnyye Metally, No 8, 1959,
pp 54-58.

76

JPRS 2327

USSR

Eccon - Technological + Nonferrous Metals
Mar 60

111,425

Kakovskiy, I. A., Ryazantseva, O. F., and
Prisekina, T. N.
SEPARATING THALLIUM FROM SOLUTIONS WITH
SULPHYDRYL REAGENTS (Vydeleniye Talliya iz
Rastvorov pri Pomoshchi Sul'gidril'nykh Reagentov).
Jan 61 [11]p. 15 refs. RTS 1630.
Order from LC or SLA ml\$2.40, ph\$3.30 61-15721

Trans. of Tsvetnyye Metally (USSR) 1959, v. 32,
no. 8, p. 57-61.

151973

(Chemistry--Physical, TT, v. 5, no. 9)

61-15721

1. Thallium--Separation
2. Xanthogenates--
Solubility
3. Thiophosphates--
Solubility
- I. Kakovskiy, I. A.
- II. Ryazantseva, O. F.
- III. Prisekina, T. N.
- IV. RTS-1630
- V. Department of Scientific
and Industrial Research
(Or. Brit.)

Office of Technical Services

The Optimum Copper-Sulphur Ratio in Non-Passivating Nickel Anodes, by ~~Mr~~ G. M. Volkogon, L. M. Novikova. UHCL.

RUSSIAN, per, Tsvetnyye Metally, Vol XXXII, No 8, 1959, pp 69-71.

DSIR LIU M.1249

(loan)

Sci
May 60 Chem

116,511

TT-64-10562

I. Smolyaninov, A. I.

Smolyaninov, A. I.
STRUCTURE OF COPPER DUST AND ITS PHASE
COMPOSITION (Struktura i Fazovyi Sostav Napylennoi
Medi), [1968] [9p] (foreign text included) 2refs
Order from OTS, SLA, or ETC \$1.10 TT-64-10562

Trans. of Tsvetnyy Metally (USSR) 1959, v. 32, no. 8,
p. 72-74. (Abstract available)
Other translations are available from LC or SLA
ms\$1.80, ps\$1.80 as TT-61-10232 [1960] [5p] and from
PS \$5.00 as PS-CR 2375 [1960].

DESCRIPTORS: *Copper coatings, Electrodeposition,
Dusts, *Phase studies, Oxidation, Copper compounds,
Oxides, Particles, *Microstructure, Chemical
analysis, X-ray diffraction analysis,

An investigation was made of copper coatings prepared
by the electroplating method. The chemical
analysis, x-ray diffraction spectra and microstructure
(Metallurgy--Structural, TT, v. 11, no. 8) (over)

Office of Technical Services

Our Fraternization With the Chinese Peoples
Republic, by S. S. Mironov, A. I. Bendik, 10 pp.

RUSSIAN, par, Tsvetnyye Metally, No 9, 1959,
pp 4-10. 1716/2

*FTD MEL-1400/1

FR- China

Pol

Aug 61

16-8-374

0-

Our Cooperation With the Chinese People's
Republic, by S. B. Mironov, A. I. Bendik,
12 pp.

RUSSIAN, par, Tsvetnyye Metally, No 9,
1959, pp 4-10. 9671642

FTD MCL-1408/1

ASIA - China
Pol
28 Nov 61

174, 748

Mechanization of Granulated Slag Sampling, by
V.I. Borzenko.

RUSSIAN, per, Tsvetnye Metally, No 9, 1959, pp 28-32.

Primary Sources
SMT-2475

Sci - Min/Met
Jul 61

159, 485

R-900

(WY-3253).

Certain Characteristics in the Technology of
Processing Combined Copper-Zinc Concentrates at the
Sredneuralsk Copper Smelting Plant, by V. A.
Aglitskiy, et al, 11 pp.

RUSSIAN, per. ~~Tsvetnyye Metally~~, No 9, 1959,
pp 38-45.

USSR
Econ

AS SMT 2481
JPRS 2327

111426
ECON - Technological-Nonferrous Metals
Mar 60

the in the liquid state and the ...

... ..

... ..

... ..

... ..

The Chlorination of Titanium-Containing Slags,
by I. M. Tselik, N. S. Ukshe.

RUSSIAN, per, Tsvetnyye Metally, No 9, 1959,
pp 49-53.

DSIR R.221.5
Soviet Metal Tech
Vol II, No 4, 1959

Sci - Min/Met

Oct 60

PS SAT 10 7 37

130,737

Birger, G. I. and Bruk, B. S.
CONTINUOUS MEASUREMENT OF THE CONCENTRATION OF CADMIUM IN ZINC ELECTROLYTE BY MEANS OF A POLAROGRAPHIC CONCENTRATOMETER (Neprevnoye izmereniye kontsentratskhi Kadmilya v Tsinkovom Elektrolite pri Pomoschi Polyarograficheskogo Kontsentratskometra). Jan 61 [5p. 2 refs. RTS 1631.
Order from LC or SLA m\$1.80, ph\$1.80 61-15735

Trans. of Tsvetnyye Metally (USSR) 1959 [v. 32]
no. 9, p. 53-56

151978

(Chemistry--Physical, TT, v. 3, no. 9)

61-15735

1. Cadmium--Determination
2. Electrolytes--Impurities
- I. Birger, G. I.
- II. Bruk, B. S.
- III. RTS-1631
- IV. Department of Scientific and Industrial Research (Oz. Brit.)

Office of Technical Services

Makarova, T. L. and Sosnovskiy, G. N.
PROCESSING OF ELECTROSTATIC FILTER DUSTS
FOR EXTRACTION OF RARER METALS
(Pererabotka Pyley Elektrofil'trov s Izvelecheniyem
Redkikh Metallov). Apr 61 [10]p. 3 refs. RTS 1815.
Order from OTS or SLA \$1.10 61-19696

Trans. of Izvestiya Metall. (USSR) 1959, v. 32,
no. 9, p. 56-61.

DESCRIPTORS: Metals *Germanium, *Thallium,
*Cadmium, Separation, Recovery, Particles, Distill-
ing plants, Processing.

(Metallurgy, TT, v. 6, no. 2)

61-19696

I. Makarova, T. L.
II. Sosnovskiy, G. N.
III. RTS-1815
IV. Department of Scientific and
Industrial Research
(Gr. Brit.)

16965.

Office of Technical Services

(DC-4800)

Improving the Technology of Hungarian Alumina
Production, by Adam Juhasz, 7 pp.

HUNGARIAN, per, Tsvetnyye Metally, Vol XXII,
No 2, 1970, pp 50-51.

JPRS 6323

EPR - Hungary

Econ

Dec 60

134,406

Automatic Control of the Temperature of Rolling-
Mill Rolls, by V. I. Feigin, A. B. Fromberg.

RUSSIAN, per, Tsvetnyye Metally, Vol XXXII, No 9,
1959, pp 63-66.

DSIR LIU RTS 1521

SLA 61-15237

Sci - Engr

Sep 60

125,553

Method of Rapid Flotation, Means of its Practical Use
and Further Improvement, by O. A. Shumkov.

RUSSIAN, per. Tsvetnye Metally, Vol 32, No 10, 1959,
pp 1-10.

*NTIS TT 72-53009

Mar 72

(NY-3001/6).

Electric Smelting of Copper Concentrates
Obtained from the Flotation of Matte, by A. G.
Koshchakov, 6 pp.

RUSSIAN, per, Tsvetnyye Metally, No 10, 1959,
pp 22-24.

JPRS 2370

113,985

USSR
Econ - Technological
Apr 60

SETEE

(NY-3245).

Production of Lead in the Lead-Zinc Plant at
Kurdzhali, by N. Kunchev, Ya. Yanchev, G.
Charalampiev, 17 pp.

RUSSIAN, par, Tavetnyye Metally, No 10, Moscow,
1959, pp 25-34.

JPRS-2154-H

EEur - Bulgaria.
Sci - Min/Met
Jan 60

106,122

Getekin, L. S., Batyuk, A. G. and others.
INDUSTRIAL ADOPTION OF SULPHATING OF LEAD
DUSTS (Prilozheniya Sulfatizatsii Svintsovykh
Pylen), Sep 61 [1] p. 1 ref. RTS 1906.
Order from CTS or SLA \$1.60 61-28164

Trans. of Tsvetnye Metally (USSR) 1959, v. 32,
no. 10, p. 35-42.

DESCRIPTORS: Lead, Powders, Processing,
Sulfates, Metallurgy.

The difficulties existing previously during the adoption
of sulphating by industry, were overcome by using
concentrated sulphuric acid and granulation of the
powder with acid on the dash granulator. The granula-
tion equipment, manufactured from ordinary mild
steel, showed no appreciable corrosion throughout the
period of the pilot plant investigations. The granulator
(Metallurgy, TT, v. 6, no. 12) (over)

61-28164

- I. Getekin, L. S.
- II. Batyuk, A. G.
- III. RTS-1906
- IV. Department of Scientific
and Industrial Research
(Gr. Brit.)

Office of Technical Services

Kim, K. T., Kornakov, D. Ye., and Safronov [N. V.]
EXTRUSION OF TUBES WITH SMALL INTERNAL
DIAMETER (Metod Pressovaniya Trub s Malym
Vnutrennim Diametrom). [1960] [10]p. 1 ref.
Order from LC or SLA m\$1.80, ph\$1.80 61-10213

Trans. of Tavetnyye Metally (USSR) 1959 [v. 32] no. 10,
p. 65-68.

A method is described that has been successfully used
at the Artemov Plant. Horizontal hydraulic presses are
used for extruding hollow shells. A specially designed
mandrel, consisting of a shaft and a bottle-neck shaped
tip, is required. Tubing of many shapes (rectangular,
square, etc.) can be extruded with an internal diameter
ranging from 6 to 6 mm.

(Machinery--Manufacturing, TT, v. 3, no. 4)

61-10213

- I. Steel tubing--Extrusion
I. Kim, K. T.
II. Kornakov, D. Ye.
III. Safronov, N. V.

143,204

Office of Technical Services

Karasevich, V. I. and Prikhod'ko, V. B.
NEW DEVELOPMENTS IN THE PRODUCTION OF
ALUMINIUM CLAD IRON STRIP. Jan 60.

Order from MT 3 5 MT Trans-100

Trans. of Tsvetnye Metally (USSR) 1959, v. 32, no. 10,
p. 68-75.

Other translations are available from MSI 5 5s as
MSI-1781 [1960] 11p. and MDF \$7.00 as MDF K-242
[1960] 11p.

DESCRIPTORS: Iron, Production, Coatings.
*Aluminum coatings.

MT-180

(Machinery--Manufacturing, TT, v. 6, no. 5)

61-22849

- I. Karasevich, V. I.
- II. Prikhod'ko, V. B.
- III. MT Trans-100
- IV. Tollemache, M. de O.
(Gt. Brit.)

ST: 22-1781

150561

Office of Technical Services

17

(NY-4363)

SEV*Conference on Concentration of Non-ferrous
Metal Ores, by S. I. Mitrofanov, 10 pp.

RUSSIAN, per, Tsvetnyye Metally, No 10, 1959,
pp 88-92.

SPRS 4000

Sci - Min/Metals

Aug 60

122,892

61-27512

Rozhkov, K. V.
AUTOMATION OF BENEFICIATION PLANTS.
May 60 [9]p. (7 figs. omitted). [DSIR NLL] M 3156.
Order from OTS or SLA \$1.10 61-27512

Trans. of Tsvetnye Metally (USSR) 1959, v. 32, no. 11,
p. 1-7.

Another trans. is available from OTS or SLA \$1.10 as
61-25510. DSIR NT-798 [1961] [10]p.

Portions of this report will not reproduce well.

DESCRIPTORS: *Automation *Minerals, *Ores,
Processing, Metallurgy.

Problems relating to mechanization and automation of
beneficiation plants are considered.

(Metallurgy, TT, v. 6, no. 12)

I. Rozhkov, K. V.
II. DSIR NLL M. 3156
III. International Nickel Co.
(Mond) Ltd. (Gr. Brit.)

NLL M. 2706

Office of Technical Services

Change in Concentration of Flotation Reagents in
Tailings Storage, by L. V. Milovanov.

RUSSIAN, per, Tsvetnye Metally, Vol 32, No 11, 1959,
pp 14-17.

*NTIS TT 72-53008

Mar 72

(R-2638).

(DC-3290).

The Beneficiation of Nickel Oxide Ores, by G. A. Khan.
A. I. Zarakhani, 14 pp.

RUSSIAN, per, Tsvetnyye Metally, No 11, 1959,
pp 18-25.

JPRS 3071

CEL/O. 879

USSR
Econ - Technological - Metallurgy
Apr 60

115,323

Enclosed of Blue (the "Book") in 21 1/2 pages
Specimens of Golden Plover Eggs, by E. P.
Reznik, et al.

RUSSIAN, for, "The Great Mother", Vol XXVII, No 22,
1955, pp 31-32.

MAIL ROOM 1000

Sc1 - K/m

OTS 62-14001

Aug 62

207,581

Determination of the Specific Surface of Powders
Used in the Production of Hard Alloys, by
B.V. Deryagin, et al.

RUSSIAN, per, Tsvetnye Metally, No 11, 1959, pp 55-60.
CIA 9660545

ATTC MCL 618

Sci - Min/ Wrt

May 61

Wire DC-4

152, 563

(NY-3001/9)

The Determination of Production Costs in
Processing Multi-Component Raw Materials, by
S. Ya. Rachkovskiy, S. A. Fedorov, P. G.
Pizhanchikov, T. P. Sobolevskiy, 15 pp.

RUSSIAN, per, Tsvetnyye Metally, No 11, 1959,
pp 65-77.

JPRS 5294

USSR

Econ - Technological
Sep 60

125,388

(NY-3001/7).

Operational Procedure at the Kirovgrad Concentrator
Plant, by S. I. Popov, D. A. Bolkov, L. D. Kulikov,
11 pp.

RUSSIAN, per, Tsvetnyye Metally, No 12, 1959,
pp 1-6.

JPRS 2739

USSR
Econ - Technological
Jun 60

117,052

(NY-3001/7).

The Technology of Concentrating Copper Ores of the
Udokansk Deposit, by A. I. Izmodenov, S. L.
Rokhlín, G. I. Demidovich, 7 pp.

RUSSIAN, per, Tsvetnyye Metally, No 12, 1959, pp 19-22.

JPRS 2739

USSR
Econ - Technological
Jun 60

117,053

(NY-3001/7).

The $\frac{1}{2}$ Roasting of Pelletized Copper Concentrates
and Charges in a Fluidized Bed at a Semi-Industrial
Installation, by E. Ya. Serebrennikova, 11 pp.

RUSSIAN, per, Tsvetnyye Metally, No 12, 1959,
pp 23-28.

JPRS 2739

USSR
Econ - Technological
Jun 60

117,054

(NY-3001/7)

Industrial Experiments on Decoppering Lead Slags
When Using the Fuming Process, by A. V. Novozhilov,
I. A. Stroitalov, 6 pp.

RUSSIAN, per, Tsvetnyye Metally, No 12, 1959,
pp 35-37.

JPRS 2811

118,504

USER

Econ - Technological

20 Jun 60

(NY-300L/Y)

The Distribution of Rare Elements in the Products
of Concentration of Copper and Copper-Zinc Ores,
by A. I. Okunev, V. A. Oshman, A. V. Petrov,
10 pp.

RUSSIAN, per, Tsvetnyye Metally, No 12, 1959,
pp 49-54.

JPRS 2811

USSR

Econ - Technological

20 Jun 60

118,505

(IFX-3001/7)

The Remelting of Cathode Copper, by B. V. Parfanovich,
3 pp.

RUSSIAN, per, Tsvetnyye Metally, No 12, 1959,
pp 78, 79.

JPRS 2811

USSR

118,506

Econ - Technological

20 Jun 60

(NY-3001/7)

Regarding the Article by P. A. Pazdnikov, and B. V. Mal'tsev "Combining Dust-Collecting and Hydro-metallurgical Processing of Dust in a Single Installation at Copper Smelting Plants," by I. L. Peysakhov, 3 pp.

RUSSIAN, per, Tsvetnyye Metally, No 12, 1959, pp 79, 80.

JPRS 2811

118,507

USSR

Econ - Technological
20 Jun 60

(NY-3001/1)

Metallurgy of Noble Metals, by E. F. Karyshnikov,
17 pp.

RUSSIAN, par, Peretoye Metall, No 12, 1969,
pp 31-38.

JPRS 2396

USSR

Econ - Technological

Jun 60

120,093

The Improvement of the Hydrochemical
Alkali Method of Processing Nepheline Rocks
to Obtain Alumina, by M. N. Smirnov,
E. Z. Vydevich, 8 pp.

RUSSIAN, per, Tsvetnye Metally,
Vol XXXII, No 39, 1959, pp 39-44.
9097152

OTS 60-51138
PL-480

Sci - Min/Met
Apr 62

189,357

TSYENTNYE METALLY - monthly
(The Soviet Journal of non-ferrous Metals)
Translation begins with 1960,
Vol. 33, No. 1
Lag time 12 months
Order from: Primary Sources
11 Bleecker Street
New York, N.Y. 10012
1971: \$ 95.00/year USA and Canada
\$ 98.00/year elsewhere
\$ 15.00 single issues
Back issues still available,
price as above.

Russ
set

TSVETNYYE METALLY

Nos 1-10, 1960

*Cover to cover Primary Sources
Available CIA/Library/Book Desk*

<i>No 1</i>	<i>pp 23-25</i>	<i>JPRS</i>
	<i>pp 1-6</i>	<i>JPRS</i>
<i>No 3</i>	<i>pp 68-74</i>	<i>JPRS 3212</i>
	<i>pp 155-160</i>	<i>JPRS 9742</i>

TSVETNYYE METALLY

No. 11, 1960

*Cover to cover Primary Sources
Available Br 5 Library*

pp 69-76 JPRS 7681

TSVETNIE METALLY

No 12, 1960

*Cover to cover Primary Sources
Available Library Serials*

pp 47-53 JPRS 8072

*TSVETNIE METALLY**Nos 1-12, 1961**Cover to cover Primary Sources
Available Library Serials*

<i>No 3,</i>	<i>pp 82-86</i>	<i>JPRS 4700</i>
<i>No 5</i>	<i>pp 77-79</i>	<i>JPRS 4955</i>
<i>No 8</i>	<i>pp 56-59</i>	<i>JPRS 12,053</i>
<i>No 11</i>	<i>pp 1-9</i>	<i>JPRS 11,896</i>

*TSVETNYE METALLY**Vol 35, Nos 1-10, 1962**Cover to cover Primary Sources
Available Library Serials*

<i>No 2</i>	<i>pp 60-65</i>	<i>JPRS 16,841</i>
	<i>pp 56-59</i>	<i>CIA/FDD XX-1203 NOFORN</i>
		<i>USIB INTERNAL USE ONLY</i>
<i>No 8</i>	<i>pp 44-47</i>	<i>JPRS 16,160</i>
	<i>pp 72-76</i>	<i>JPRS 16,160</i>
<i>No 9,</i>	<i>pp 1-7</i>	<i>JPRS 17,810</i>
	<i>pp 91-92</i>	<i>JPRS 16,560</i>
<i>No 10,</i>	<i>pp 63-68</i>	<i>JPRS 17,727</i>
	<i>pp 71-75</i>	<i>JPRS 17,727</i>